Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/26/2022 09:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124289	-1	1.21	124214	1.16
Blue	F	SSC	125000	123858	-1	2.50	124274	2.31
Blue	E	FITC	13602	13156	-4	2.19	369	13.22
Blue	D	PE	24891	24402	-2	1.63	581	9.86
Blue	B	PerCP-Cy5-5	33972	32770	-4	2.84	936	14.28
Blue	A	PE-Cy7	22865	22554	-2	4.80	470	30.19
Red	C	APC	47198	46957	-1	2.68	1615	11.59
Red	A	APC-Cy7	26454	25750	-3	3.18	728	12.17
Violet	B	V450	6737	6405	-5	3.43	449	11.24
Violet	A	V500	29317	27946	-5	2.97	955	7.93

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24149	1.99	530	-5	N/A	N/A	Pass
Blue	F	SSC	55734	1.90	515	-6	N/A	N/A	Pass
Blue	E	FITC	55	53.22	483	-1	0.0451	94	Pass
Blue	D	PE	113	37.53	486	0	0.5144	369	Pass
Blue	B	PerCP-Cy5-5	148	39.92	577	-2	0.0218	81	Pass
Blue	A	PE-Cy7	78	78.17	621	0	0.0226	0	Pass
Red	C	APC	339	26.13	574	2	0.0277	186	Pass
Red	A	APC-Cy7	136	34.42	551	0	0.0066	1401	Pass
Violet	B	V450	77	46.71	447	-3	0.0619	2627	Pass
Violet	A	V500	112	27.97	466	-3	0.0275	486	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.45	-31.26	1.07
Blue	20.36	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	14.88	13.90 - 20.86	N/A	N/A	29.75	29.96	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 11236

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments